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circular queue overflow end

1998

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Architecture for high performance management of multiple **circular** FIFO storage means

MM Colmant, RW Krug, AA Smith - US Patent 5,519,701, 1996 - Google Patents

... programmable signals for managing multiple **circular** FIFO storage ... FIFO neither underruns nor overflows, which could ... arbitration provided by the **queue** manager 10 ...

Cited by 35 - Related articles - Web Search - All 2 versions

Run-time monitoring of real-time systems

SE Chodrow, F Jahanian, M Donner - Real-Time Systems Symposium, 1991. Proceedings., Twelfth, 1991 - [ieeexplore.ieee.org](#)

... of event e, given an index i relative to the beginning or end of the ... Each event data structure consists of a finite length **circular queue** of times (and values ...

Cited by 90 - Related articles - Web Search - All 4 versions

Hardware-assisted replay of multiprocessor programs

DF Bacon, SC Goldstein - Proceedings of the 1991 ACM/ONR workshop on Parallel and ..., 1991 - [portal.acm.org](#)

... through high-level objects like monitors and message **queues** which already incur the performance overhead ... end of the first interval, since they are guaranteed ...

Cited by 55 - Related articles - Web Search - Library Search - All 5 versions

Anatomy of a Message in the Alewife Multiprocessor- [psu.edu](#) (pdf)

J Kubiawicz, A Agarwal - Proceedings of the 7th international conference on ..., 1993 - [portal.acm.org](#)

... Space Request Requested descriptor space exists, Network **Overflow** Network output **queue** has been clogged for an extended period. Table 2: Network Interrupts ...

Cited by 82 - Related articles - Web Search - Library Search - All 17 versions

Dynamic resource allocation and supervision with the programming language MODULA

IC Ward - The Computer Journal, 1980 - Br Computer Soc

... processes held in a **circular queue** for a ... 1024\*100) {100K storage say} end **queue**; process scheduler ... of integer; index: integer; underflow, **overflow**: exception end ...

Cited by 1 - Related articles - Web Search - All 3 versions

Method and apparatus for writing and reading entries in an event status **queue** of a host memory

P Ecclesine... - US Patent 5,774,745, 1998 - Google Patents

... In this example, gathered data, and **circular queue** operations in ... contents of the event status **queue** in which ... the bus 12, which miscounter **overflow**, as examples ...

Cited by 4 - Related articles - Web Search - All 2 versions

System permitting peripheral interchangeability during system operation

BE Newman, SD DiPirro - US Patent 4,862,355, 1989 - Google Patents

... 4,797,608) The PR Box uses a system with **circular queues** and Tri-State Function Indicator ... a ..., predetermined amount, this is used to sense the end of a ...

Cited by 10 - Related articles - Web Search - All 2 versions

Cranium: An interface for message passing on adaptive packet routing networks- [psu.edu](#) (pdf)

NR McKenzie, K Bolding, C Ebeling, L Snyder - Lecture Notes in Computer Science, 1994 - Springer

... called the start pointer (SP), the end pointer (EP ... memory is organized as a **circular** buffer that ... was nonzero, then Cranium signals **queue overflow** and interrupts ...

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### Data processing system and method for packetizing data from peripherals

BE Newman - US Patent 5,123,091, 1992 - Google Patents

... 16, 1992 Sheet 14 of 16 5,123,091 **END-MSG 515 ... INDICATE ANOTHER PACKET ADDRESS IS IN QUEUE** - **INDICATE WE ... PR box uses a system with circular queues and cations ...**

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### Calendar queues: a fast O(1) priority queue implementation for the simulation event set problem

R Brown - Communications of the ACM, 1988 - portal.acm.org

... **structure, but does not require an overflow list and ... 2. THE CALENDAR QUEUE One schedules an event on a ... from the present date by making the calendar circular. ...**

[Cited by 113](#) - [Related articles](#) - [Web Search](#)

### Communication protocol

BE Newman, RA White, SD DiPirro - US Patent 4,860,292, 1989 - Google Patents

... **The PR box uses a system with circular queues and buffers to buffer incoming and ... bytes exceeds a predetermined amount, this is used to sense the end of a ...**

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### Basic techniques for the efficient coordination of very large numbers of cooperating sequential ...-

► [psu.edu](#) (PDF)

A Gottlieb, BD Lubachevsky, L Rudolph - ACM Transactions on Programming Languages and Systems ( ...), 1983 - portal.acm.org

... However, the **circular array structure allows the (unlikely) possibility that ... of I and D modulo the queue size ... overflows if the result of an overflow is accurate ...**

[Cited by 192](#) - [Related articles](#) - [Web Search](#) - [All 5 versions](#)

### Design and evaluation of the rollback chip: special purpose hardware for Time Warp

RM Fujimoto, JJ Tsai, GC Gopalakrishnan - IEEE Transactions on Computers, 1992 - ieeexplore.ieee.org

... **most recent version of line 1 is found by searching row 1 of the written bit array starting at WB[i,CMF] until a set bit is found. end INIT; ...**

[Cited by 73](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

### [CITATION] A MICROCOMPUTER INTERNAL SPOOLING SYSTEM

WD Maurer - Tools for Improved Computing in the 80's: Seventeenth Annual ..., 1978 - Association for Computing Machinery

[Related articles](#) - [Web Search](#)

### Method of packetizing data

BE Newman - EP Patent 0,303,991, 1994 - freepatentsonline.com

... **queue thus again demonstrating the use of circular queues in PR ... it gets too much data, and overflows its queue. ... and warn the host on a queue overflow condition ...**

[Web Search](#) - [All 4 versions](#)

### StarT-Jr: A parallel system from commodity technology- ► [kfupm.edu.sa](#) (PDF)

JC Hoe, M Ehrlich - Correct Models of Parallel Computing, 1997 - books.google.com

... **The circular huffers use the standard convention of ... preferentially services the higher priority queue first. ... huffer is guaranteed not to overflow.) Thus, for ...**

[Cited by 17](#) - [Related articles](#) - [Web Search](#) - [All 10 versions](#)

### Method for controlling the variable baud rate of peripheral devices

BE Newman - US Patent 5,230,071, 1993 - Google Patents

... **REG=GREEN 401 FOR I=0 TO 7 DO BEGIN IFRECEIVEJUEUE(i) IS NOT EMPTY THEN TRANSMIT**

QUEUE(i)-RECEIVE QUEUE (i) ENDJFOR FOR i=0 TO 7 DO BEGIN IFTRANSMITJUEUE(i) IS ...

Cited by 4 - Related articles - Web Search - All 2 versions

AP1000+: architectural support of PUT/GET interface for parallelizing compiler

K Hayashi, T Doi, T Horie, Y Koyanagi, O Shiraki, ... - ACM SIGPLAN Notices, 1994 - portal.acm.org

... **The end of communication is detected using flags for each node, which are incremented at data receipt completion, and by barrier synchronization.** ...

Cited by 27 - Related articles - Web Search - BL Direct - All 5 versions

System permitting peripheral interchangeability

BE Newman, SD Dipirro - EP Patent 0,310,788, 1996 - freepatentsonline.com

... **queue thus again demonstrating the use of circular queues in PR ... it gets too much data, and overflows its queue. ... and warn the host on a queue overflow condition ...**

Web Search - All 5 versions

[p00c] ► Audio mixing for interactive multimedia communications- Full Text@IngentaConnect

AJ González, H Abdel-Wahab - JCIS, 1998 - mateo.elo.uifs.m.ci

... 16-bit precision, two audio streams could easily **overflow** some mixed ... Compute position into the **circular mixing buffer** \*/. aux = (LastPacket[queue]%MAX\_QUEUE)\*P ...

Cited by 3 - Related articles - View as HTML - Web Search - All 2 versions

DMA controller having multiple channels and buffer pool having plurality of buffers accessible to ...

GL Leger, BR Benjaram, PR Carpenter, GL Schaps, JA ... - US Patent 5,765,023, 1998 - Google Patents

... **COMPLETE NOTIFY SW OF RECEIVE BUFFER OVERFLOW CONDITION NEGOTIATE ... MAY RECEIVE NEW PACKETS AFTER THE END OF THIS ... does not need its own circular queue and pointer ...**

Cited by 9 - Related articles - Web Search - All 2 versions

[citation] Issues in Multimedia scaling: the MPEG Video Streams Case

OEHAL Toutain - Proceedings, 1996 - IEEE

Related articles - Web Search

The performance of the FODA/IBEA satellite access scheme measured on the ITALSAT satellite

N Celandroni, E Ferro, F Potorti, N CNUCE, R ... - Digital Satellite Communications, 1995., Tenth International ..., 1995 - ieeeexplore.ieee.org

... data or to avoid an **overflow** when delayed or early pa&&rrive, respectively. The penalty for the jitter absorption is that there is an additional **end-to-end ...**

Cited by 6 - Related articles - Web Search - BL Direct - All 2 versions

Translation lookaside buffer consistency: a software approach- ► kfuqm.edu.sa [PDF]

DL Black, RF Rashid, DB Golub, CR Hill - ACM SIGARCH Computer Architecture News, 1989 - portal.acm.org

... cpu); queue\_action(cpu,mpmap,start,end); action-needed!cpu! ... for efficiency reasons in the absence of update **queue overflow**. ... it provides a **circular buffer** of ...

Cited by 57 - Related articles - Web Search - All 11 versions

Issues in multimedia scaling: the MPEG video streams case

O Elloumi, H Afifi, L Toutain - Emerging Technologies and Applications in Communications, ..., 1996 - ieeeexplore.ieee.org

... on two comple- mentary techniques: **Circular Buffers** and ... in response to network overload or data buffers **overflow**. ... accomplished in end user system **queues** or in ...

Related articles - Web Search

DMA controller arrangement having plurality of DMA controllers and buffer pool having plurality of ...

G Leger, BR Benjaram, PR Carpenter, GL Schaps, JA ... - US Patent 5,761,799, 1998 - Google Patents

... **NOTIFY SW OF RECEIVE BUFFER OVERFLOW CONDITION NEGOTIATE ... RECEIVE NEW PACKETS AFTER THE END OF THIS ... DMA buffer man- agement schemes: circular queue and linked ...**

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### System for recording and remotely accessing operating data in a reproduction machine

JC Carter, RS Westfall, RM VanDuyn, JL Fillion, DT ... - US Patent 5,038,319, 1991 - Google Patents

... Crash logger file 171 is a **circular queue** of crash files ... RETURNS [BOOLEAN] = ENTER  
IFPrintEnabledTHEN—DEBUG PRINT["\nHLogSpoolerPrologue"]; END IF;; - read ...

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### Specification and automatic verification of self-timed queues- [ncsbf.org](#) [PDF]

DL Dili, SM Nowick, RF Sproull - Formal Methods in System Design, 1992 - Springer

... two parallel chains, and a "**circular buffer**" example ... and a Petri net "front-end"  
for it ... to a series of progressively more involved **queue** implementations ...

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### Apparatus having a **circular** buffer that maintains a one entry gap between elements written to the ...

SR Atsatt, JM Wright - US Patent 5,745,793, 1998 - Google Patents

... 28, 1998 [54] APPARATUS HAVING A **CIRCULAR** BUFFER THAT MAINTAINS A ONE ENTRY GAP  
BETWEEN ELEMENTS WRITTEN TO THE MICROPROCESSOR AND ELEMENTS OPERATED ON BY THE ...

[Cited by 3](#) - [Related articles](#) - [Web Search](#) - [All 2 versions](#)

### **Circular** window control schemes in fast packet switches

YH Lee, R Chow, SE Cheung - Computer Communications and Networks, 1995. Proceedings., ..., 1995 -  
ieeexplore.ieee.org

... The third strategy addresses purely the buffer **overflow** problem. ... Figure 3: The **Circular**  
Window Control Scheme ... property as in the output **queue** scheme where a ...

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Key authors: [S Chodrow](#) - [R Brown](#) - [A Gottlieb](#) - [J Kubiawicz](#) - [R Fujimoto](#)

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